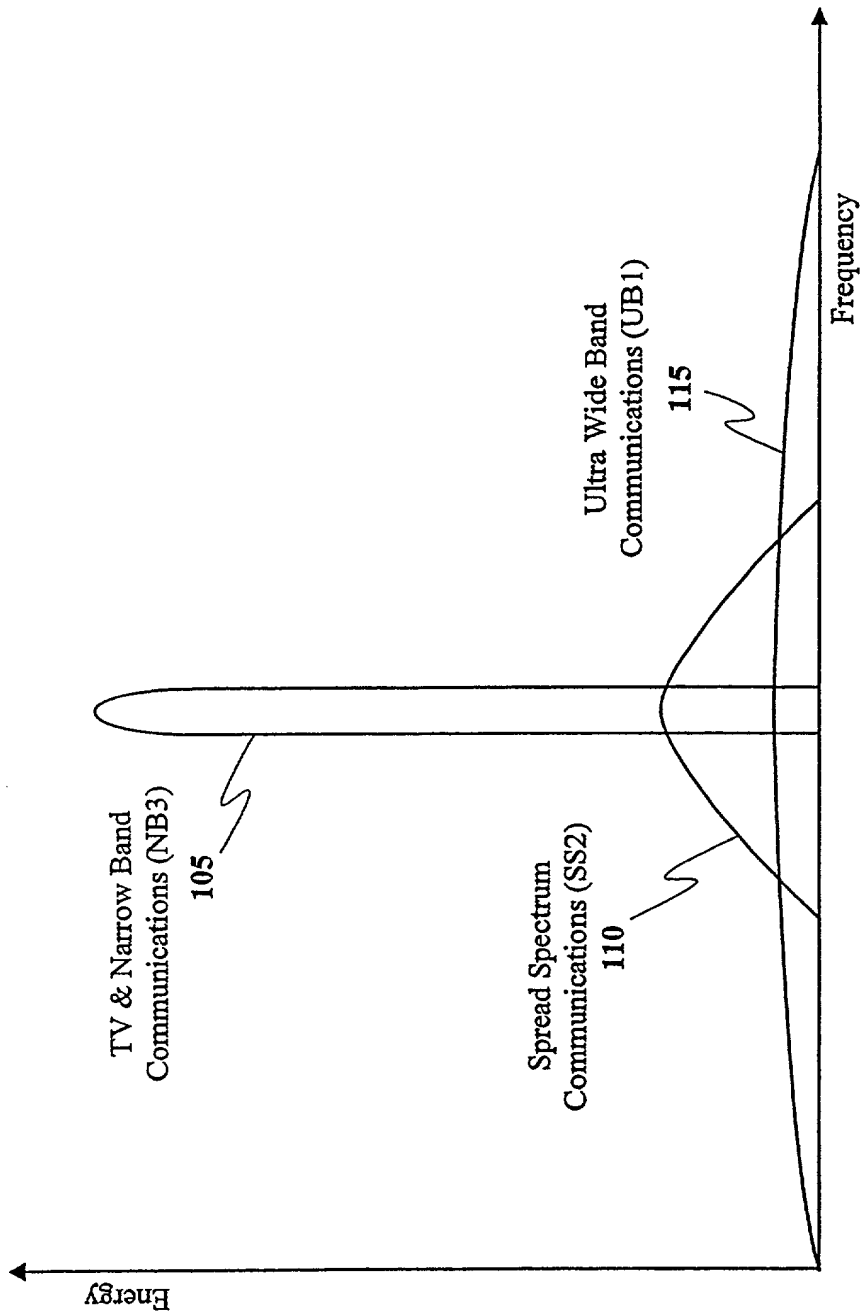


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Prior Art

Fig. 1



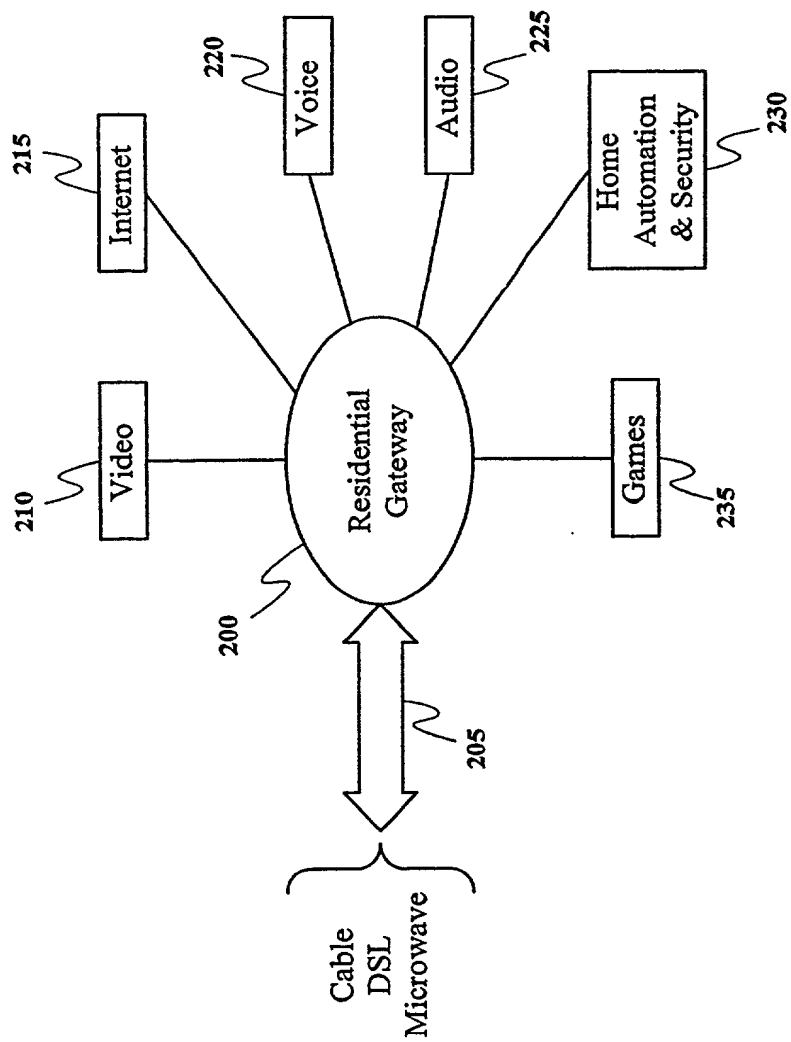


Fig. 2

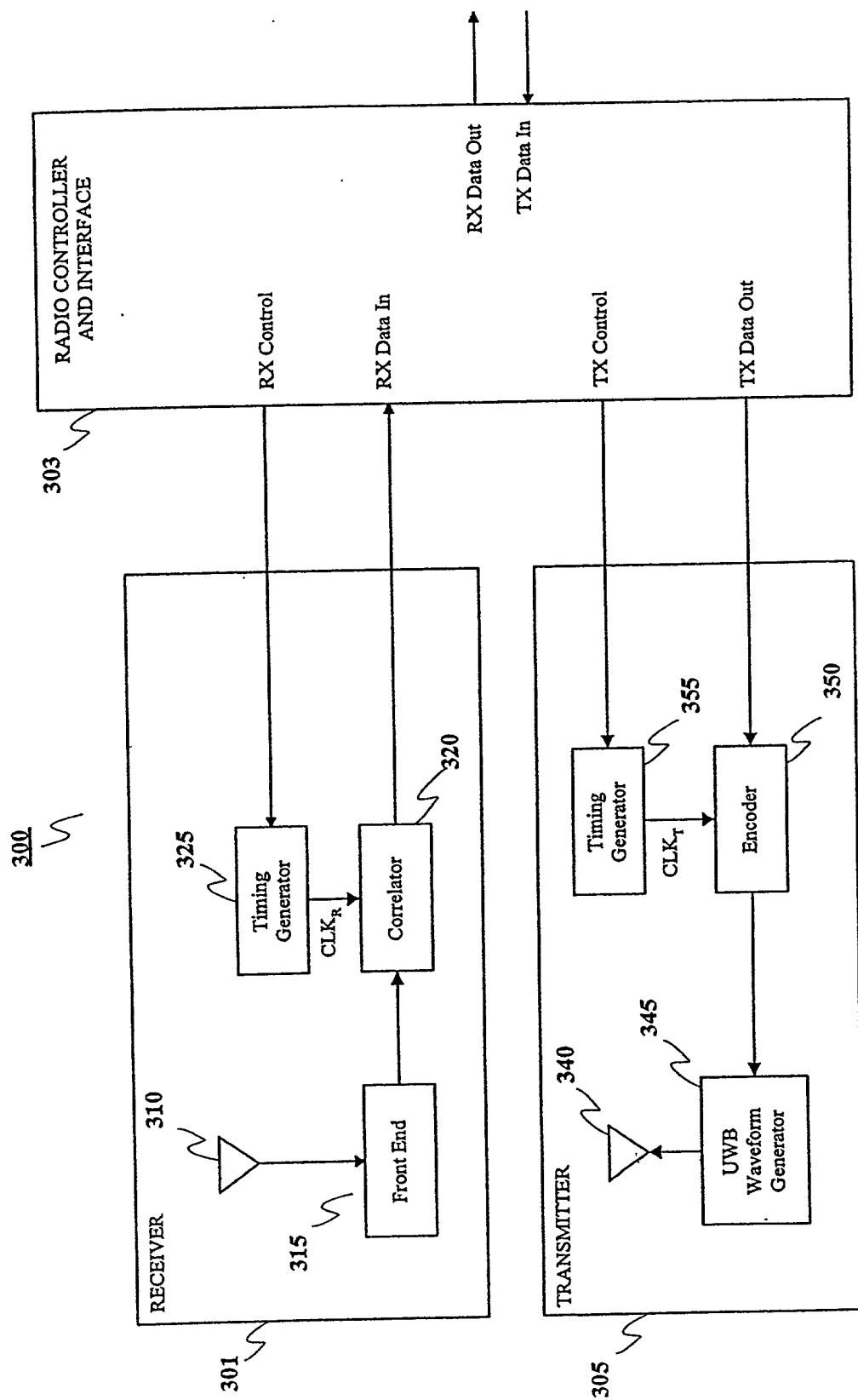


Fig. 3

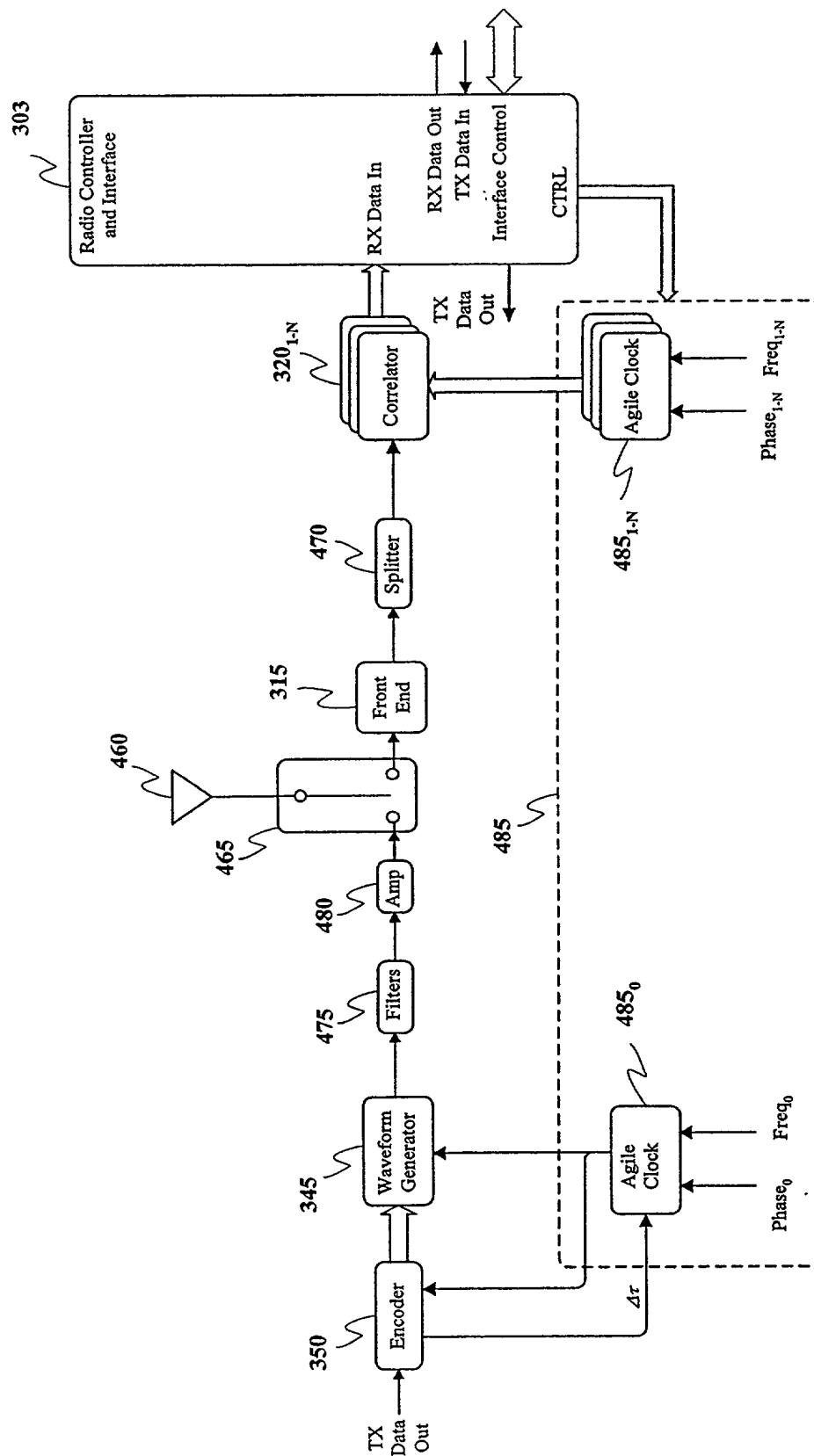


Fig. 4

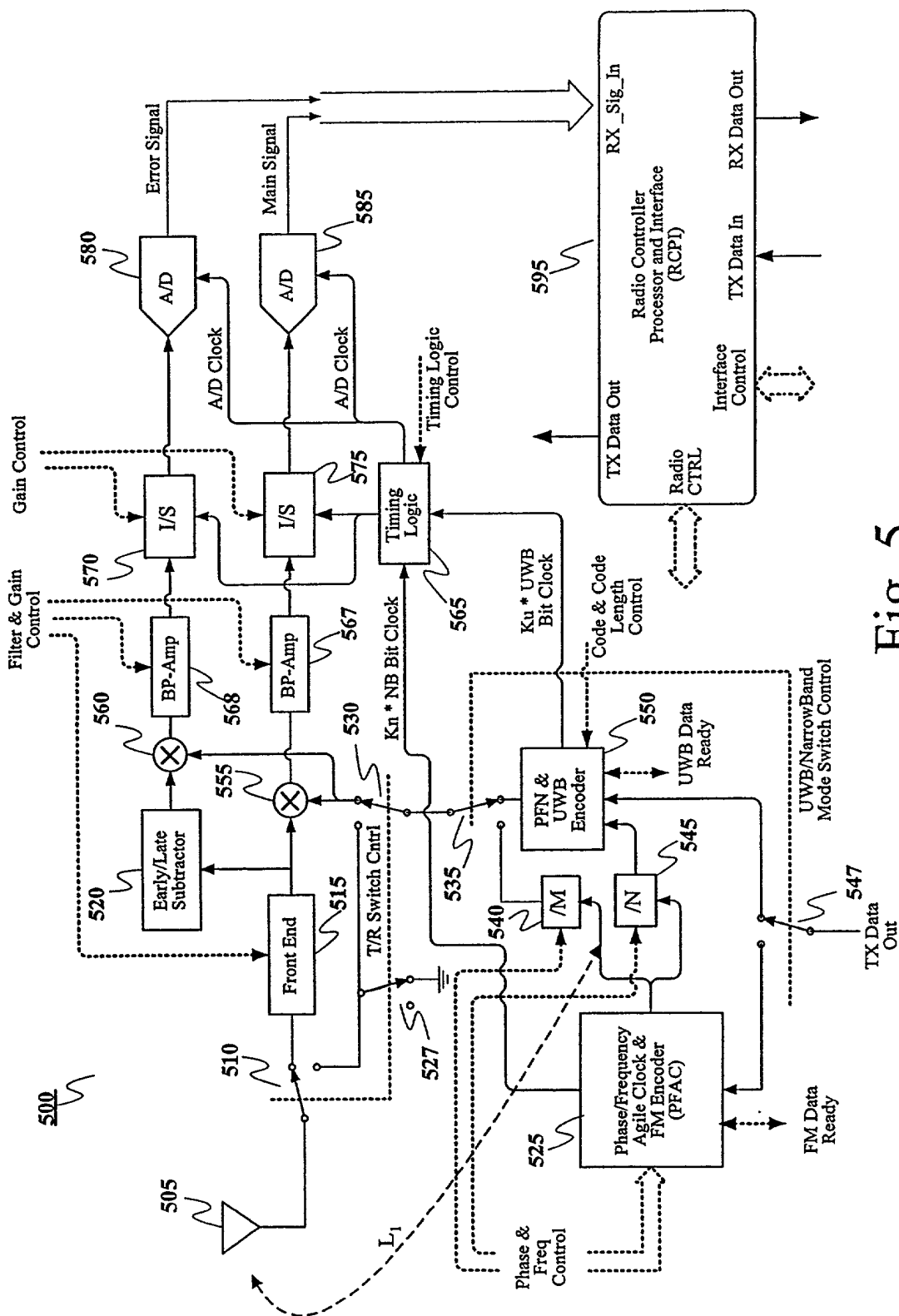


Fig. 5

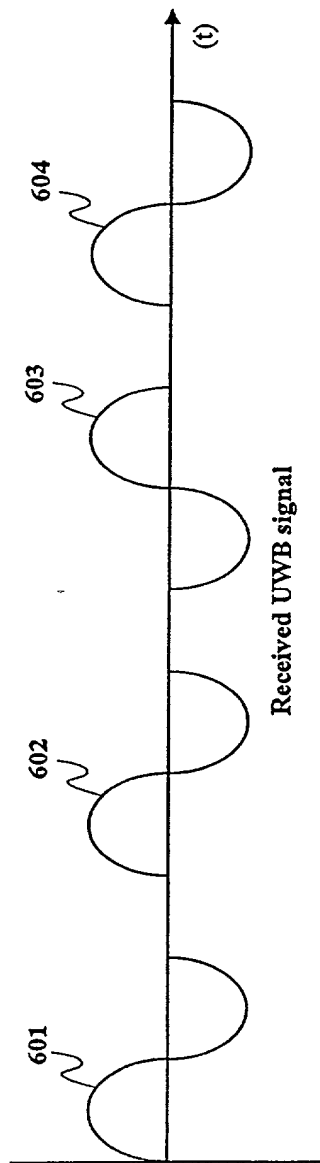


Fig. 6A

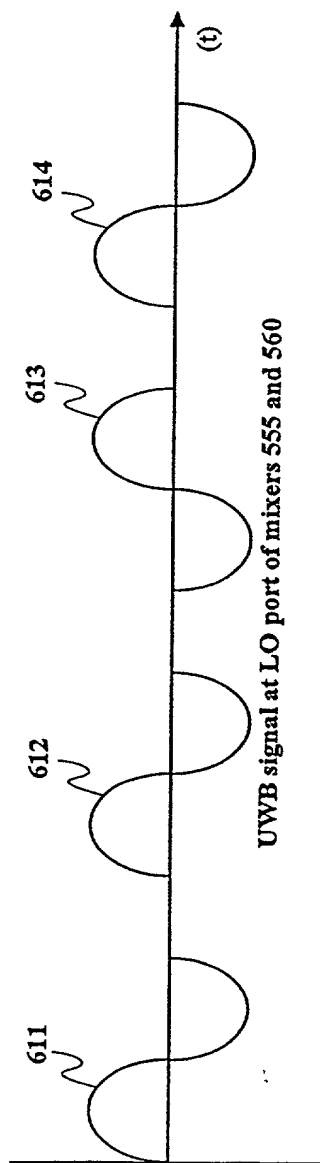


Fig. 6A

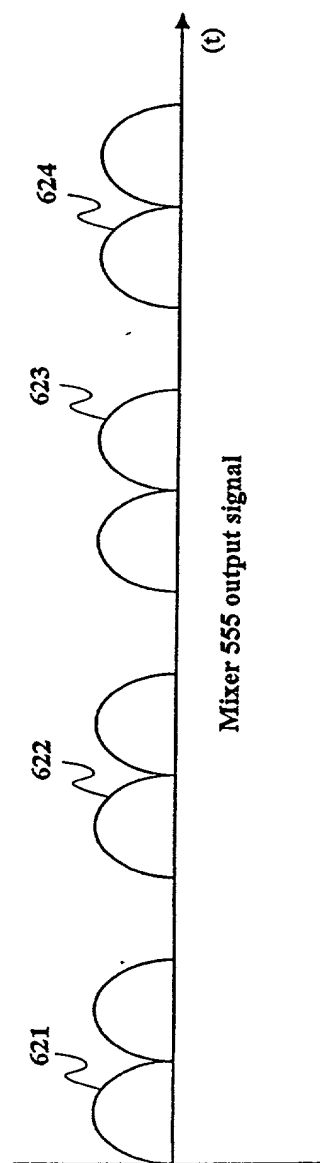


Fig. 6C

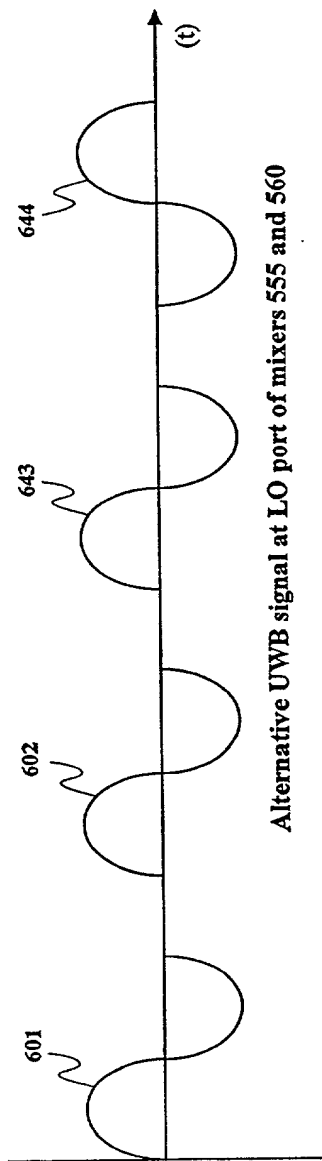


Fig. 6D

Alternative UWB signal at LO port of mixers 555 and 560

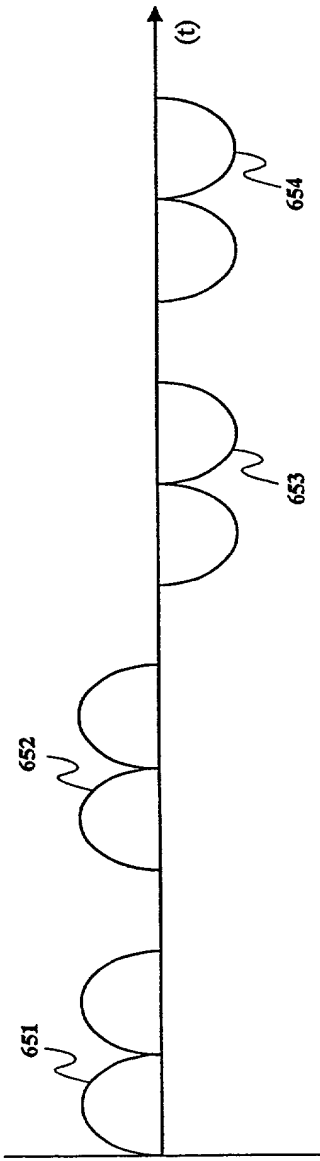


Fig. 6E

Resulting alternative mixer 555 output signal

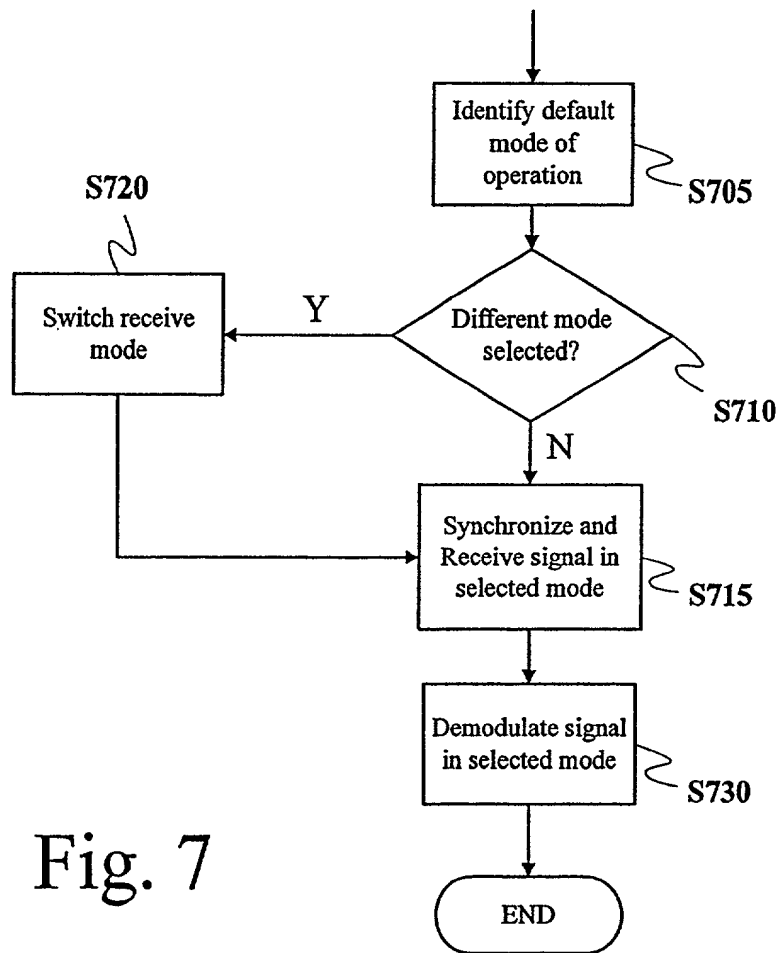


Fig. 7



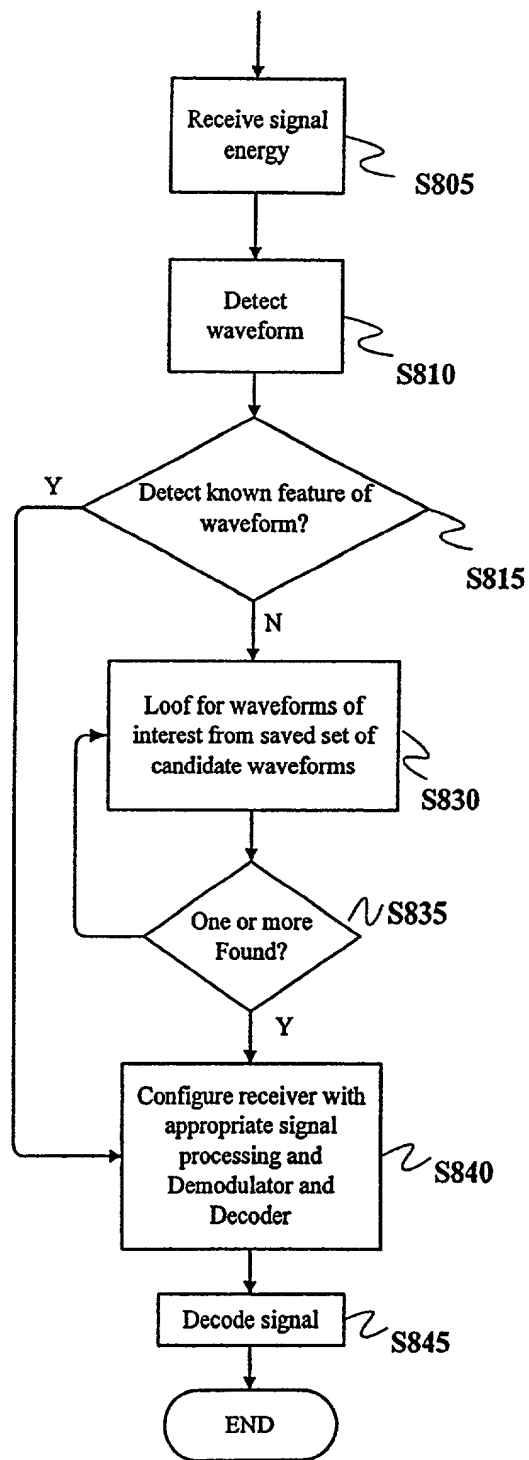


Fig. 8

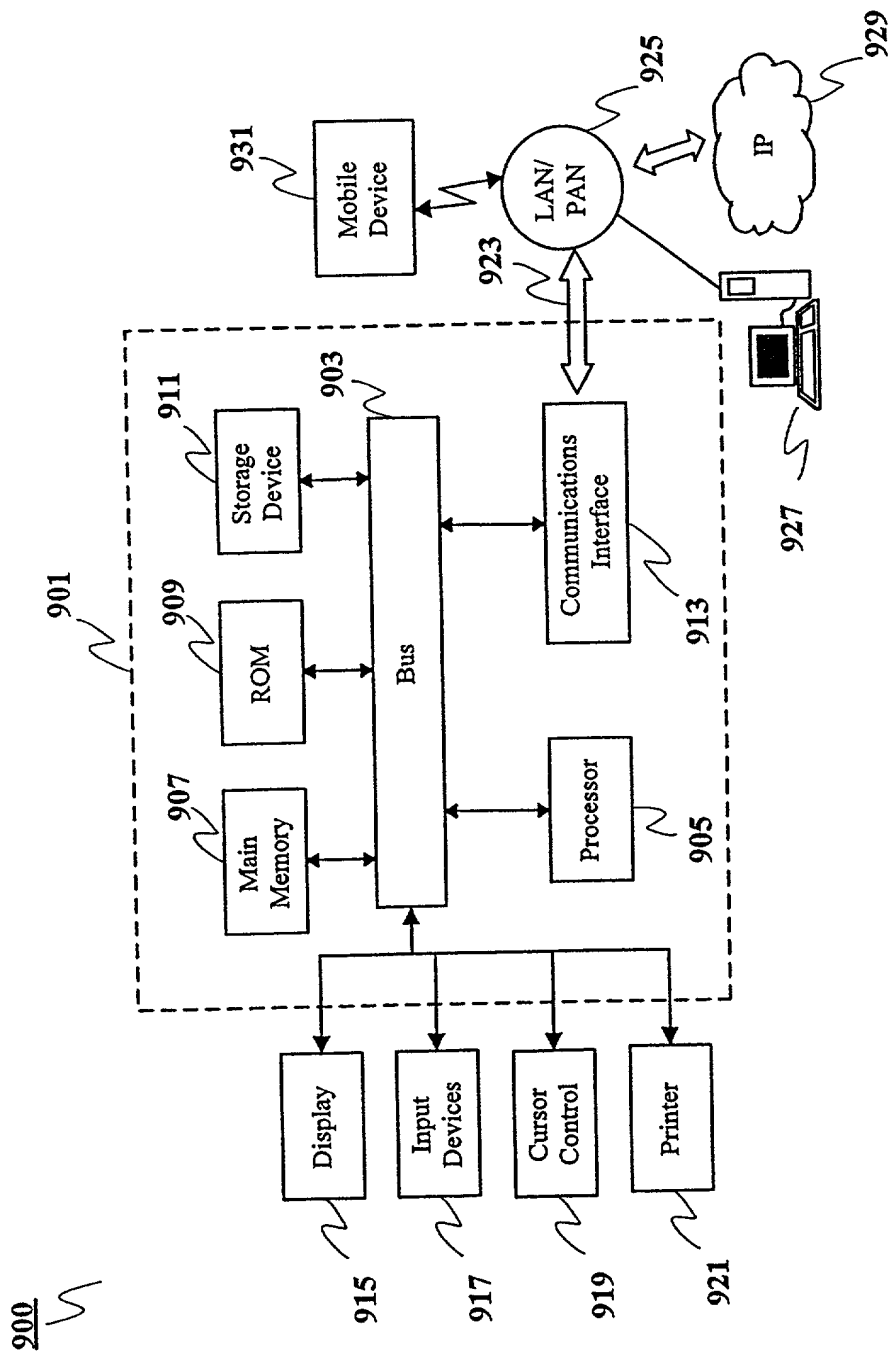


Fig. 9

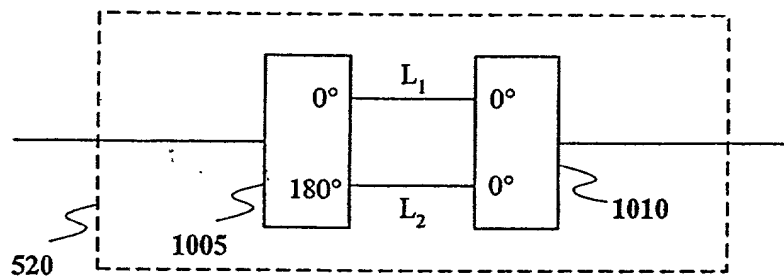


Fig. 10A

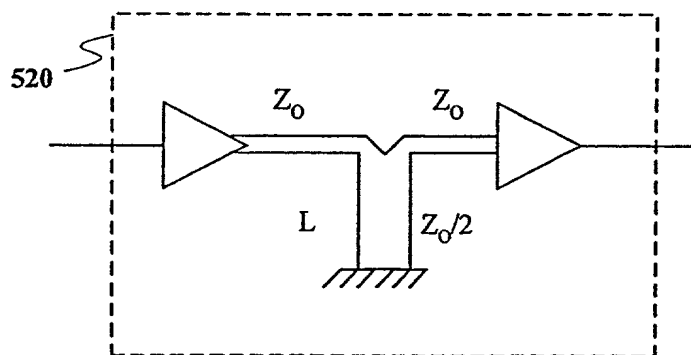


Fig. 10B

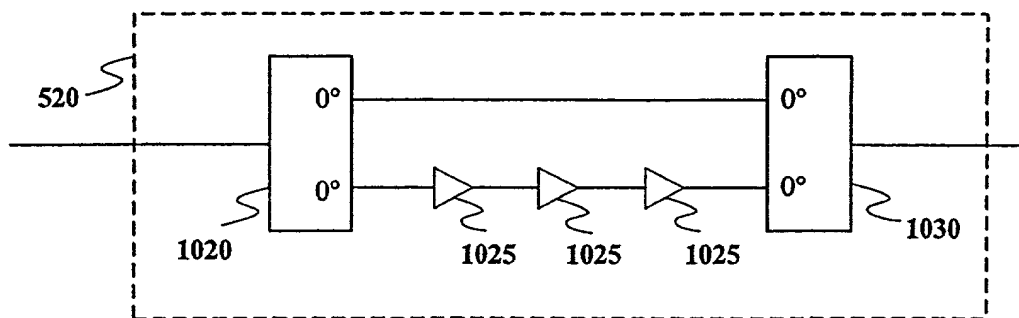


Fig. 10C

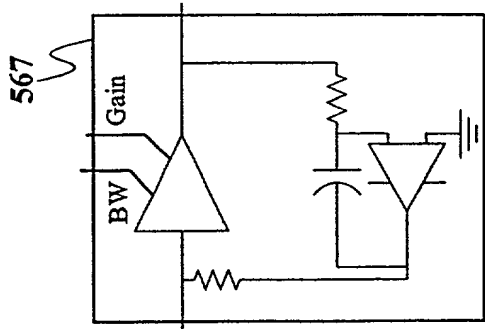


Fig. 11A

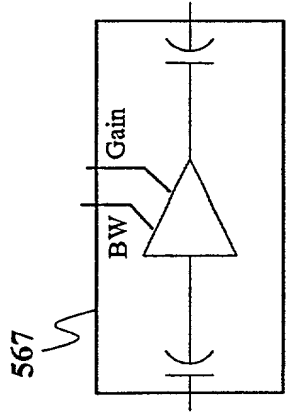


Fig. 11B

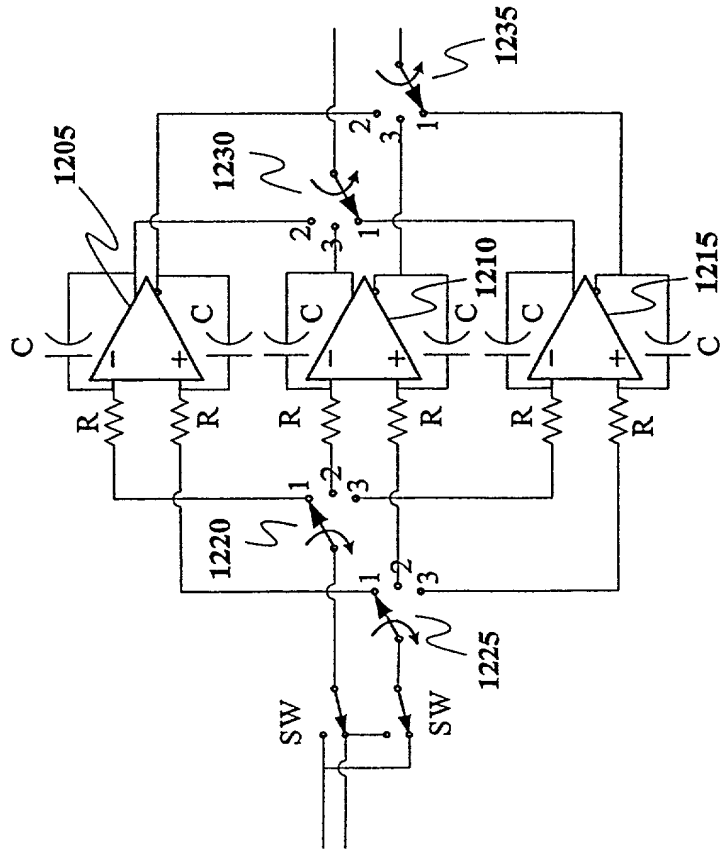


Fig. 12A

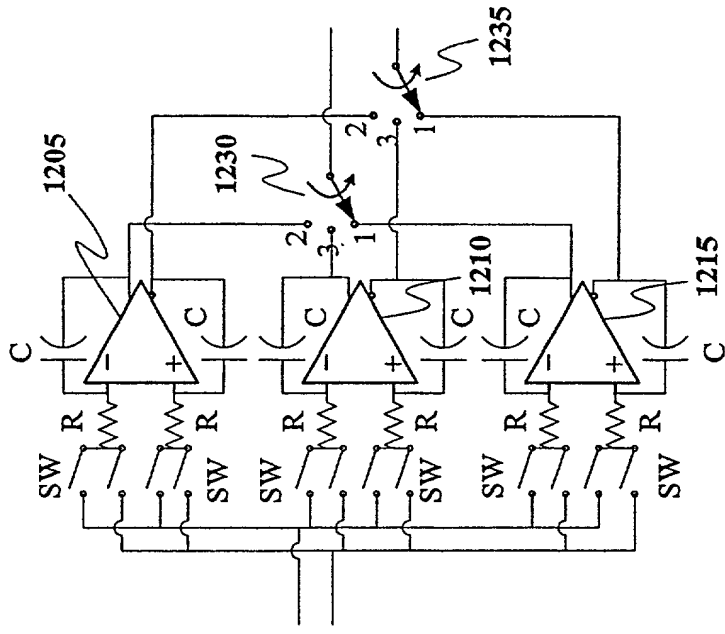


Fig. 12B

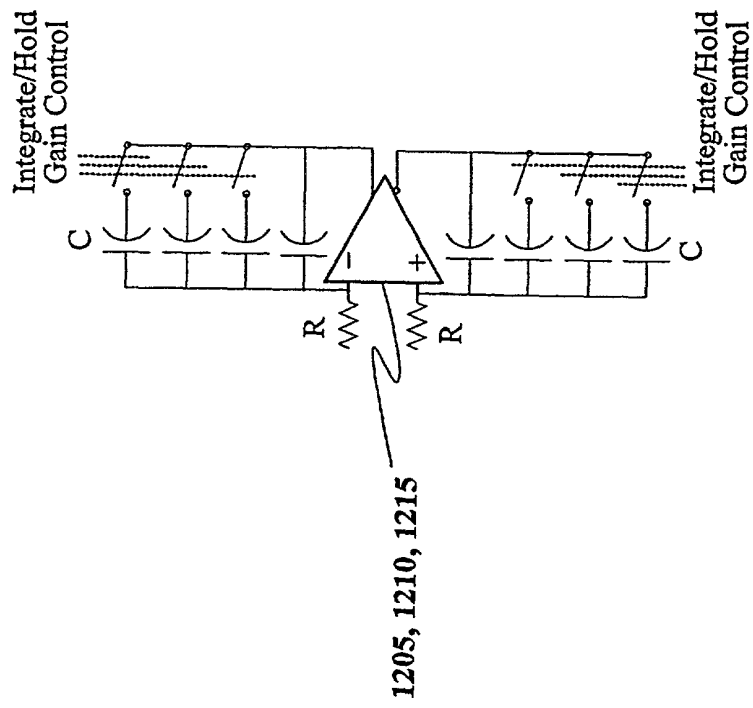


Fig. 13

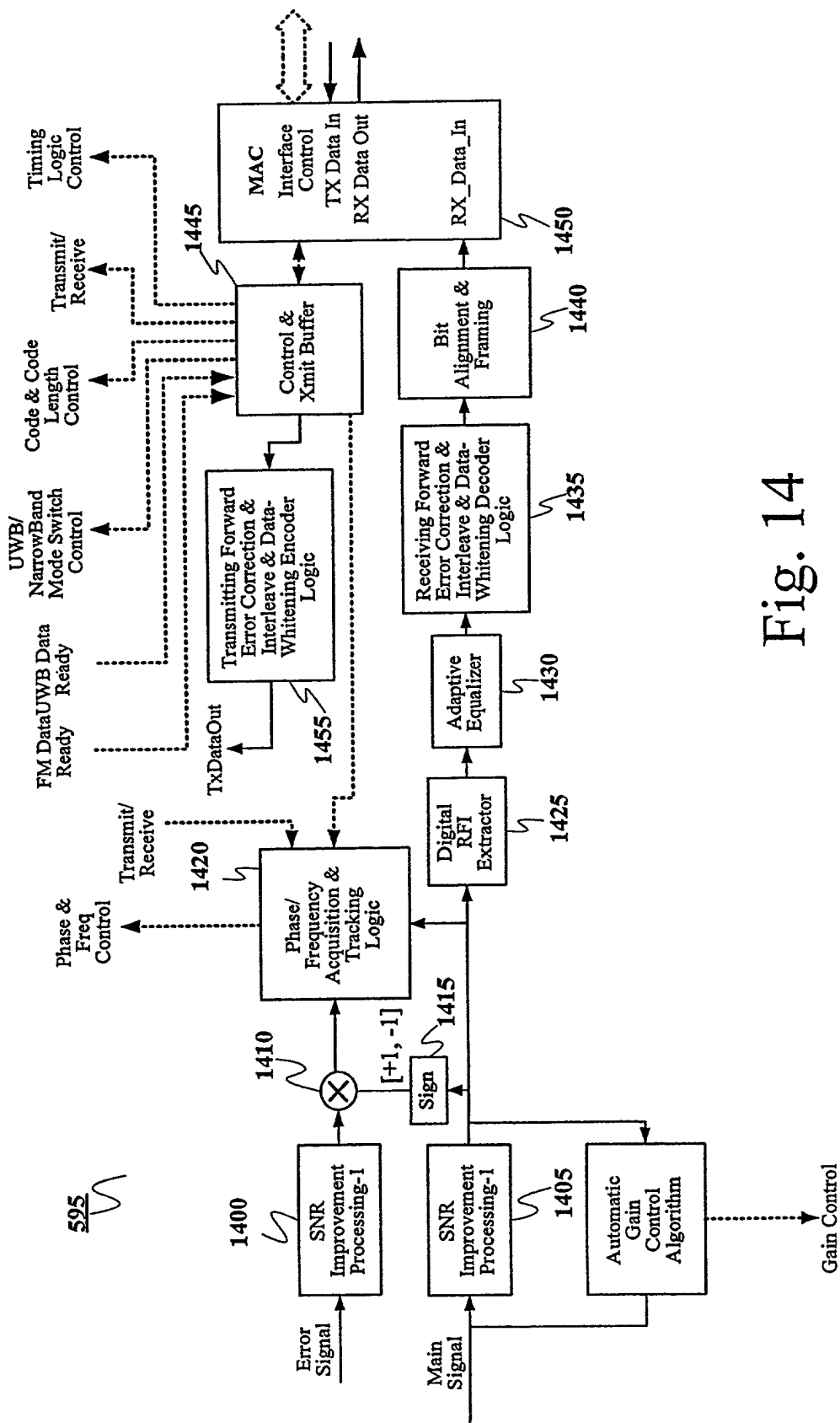


Fig. 14